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United States Patent and Trademark Office
Sales Receipt for Accounting Date: 12/13/2006

LBADIE SALE #00000004 Mailroom Dt: 12/04/2006 031728 10743638
01 FC : 1251 120.00 DA

Adjustment date: 02/16/2007 SDIRETA1
12/13/2006 LBADIE 00000004 031728 10743638
01 FC:1251 120.00 CR

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 1, 2007.


Vickie D. Wall

Applicant : Hyeong-Gon Noh, et al. Confirmation No. 8214
Application No. : 10/743,638
Filed : December 22, 2003
Title : ELECTROLYTE FOR RECHARGEABLE LITHIUM BATTERY AND
RECHARGEABLE LITHIUM BATTERY COMPRISING SAME
Grp./Div. : 1745
Examiner : Laura S. Weiner
Docket No. : 51493/Y35

REQUEST FOR REFUND

Mail Stop 16
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
February 1, 2007

Commissioner:

In reviewing our deposit account statement (no. 03-1728) for the month of December 2006, (copy attached) we noted the following incorrect charge:

12/13 10 10743638 51493/DBP/Y35 1251 \$120.00

The charge appears to be the fee for a one-month extension of time for a response to the Office action dated October 26, 2006, which had a one-month due date. Our response was mailed to the USPTO with a Certificate of Mailing on November 27, 2006 (November 26, 2006 was a Sunday), therefore no additional fees were due.

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Application No. 10/743,638

Please refund the \$120.00 fee and credit Deposit Account No. 03-1728.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By D. Bruce Prout

D. Bruce Prout
Reg. No. 20,958
626/795-9900

DBP/vdw

Enclosures: Deposit Account Statement for the month of December 2006
Copy of Office action dated October 26, 2006
Copy of Response with Certificate of Mailing dated November 27, 2006

VDW PAS721624.1--02/1/07 9:11 AM



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Patent and
Trademark Office**

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Deposit Account Statement

Requested Statement Month: December 2006
 Deposit Account Number: 031728
 Name: CHRISTIE PARKER & HALE
 Attention: BYRON C. HIBDON
 Address: P.O. BOX 7068
 City: PASADENA
 State: CA
 Zip: 91109-7068
 Country: UNITED STATES

DATE	SEQ	POSTING REF TXT	ATTORNEY DOCKET NBR	FEE CODE	AMT	BAL
12/01	79	77054130	58803/M1018/DEK	7001	\$325.00	\$76,957.62
12/01	244	78648392	55774/H352/DEK	7004	\$150.00	\$76,807.62
12/01	245	78515626	M743:53866/LES	7004	\$300.00	\$76,507.62
12/01	600	78382551	52152/U68/LTR	7004	\$150.00	\$76,357.62
12/01	619	78382551	52152/U68/LTR	7003	\$100.00	\$76,257.62
12/01	758	78653184	55300/U356/MM	7004	\$150.00	\$76,107.62
12/01	18	29249613	57878/N270/SAH	1463	\$200.00	\$75,907.62
12/01	359	10562368	K163:56568/WPC	8021	\$40.00	\$75,867.62
12/01	1140	78549999	54203/H362/SAH	7004	\$150.00	\$75,717.62
12/01	42	10569591	5341/L510/LTR	2642	\$150.00	\$75,567.62
12/01	70	2380366	B553:42082/RJW	8521	\$40.00	\$75,527.62
12/01	1229	78404431	52453/Z41-MEG	7004	\$150.00	\$75,377.62
12/01	1239	78758824	56456/U350/MM	7001	\$3,250.00	\$72,127.62
12/01	1300	77054659	58606/T490/MM	7001	\$325.00	\$71,802.62
12/01	1792	78655554	55279/P765/DEK	7003	\$100.00	\$71,702.62
12/01	2022	77055014	58737/L511/DEK	7001	\$975.00	\$70,727.62
12/01	92	11326781	56672/C685/DMC	2814	\$65.00	\$70,662.62
12/04	647	29250816	58407/G323/DEK	2012	\$100.00	\$70,562.62
12/04	648	29250816	58407/G323/DEK	2112	\$50.00	\$70,512.62
12/04	649	29250816	58407/G323/DEK	2312	\$65.00	\$70,447.62
12/04	987	29250822	57939/G323/DEK	2012	\$100.00	\$70,347.62
12/04	989	29250822	57939/G323/DEK	2312	\$65.00	\$70,282.62
12/04	988	29250822	57939/G323/DEK	2112	\$50.00	\$70,232.62
12/04	721	76647642	58837/K511/DAP	7005	\$100.00	\$70,132.62
12/04	223	11403659	A557:58370/DMC	8021	\$80.00	\$70,052.62
12/04	318	11520495	M521:58381/DBP	8021	\$40.00	\$70,012.62
12/04	138	29244409	58240/T580/MM	2502	\$400.00	\$69,612.62

Deposit Account Statement

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12/04 139 29244409	58240/T580/MM	8001	✓	\$30.00	\$69,582.62
12/04 329 11321387	56850/Y35/DBP	8021	✓	\$40.00	\$69,542.62
12/04 1277 77055911	58818/S318/DBP	7001	✓	\$650.00	\$68,892.62
12/04 52 11606755	58759/A400/DBP	9204	✓	-\$410.00	\$69,302.62
12/04 97 11606500	58803/A400/DBP	9204	✓	-\$460.00	\$69,762.62
12/04 181 60533861	V186:54154/DBP	8007	✓	\$20.00	\$69,742.62
12/05 900 78272365	50702/P396/CTP	7004	✓	\$450.00	\$69,292.62
12/05 1725 60868498	58806/M743/DJB	1005	✓	\$200.00	\$69,092.62
12/05 1763 60868502	58575/G512/RT	2005	✓	\$100.00	\$68,992.62
12/05 1124 77056790	58592/C439/DBP	7001	✓	\$650.00	\$68,342.62
12/05 1 11041925	53966/CM/TS51	2201	✓	\$200.00	\$68,142.62
12/05 2 11041925	53966/CM/TS51	2202	✓	\$50.00	\$68,092.62
12/05 3 11041925	53966/CM/TS51	2202	✓	\$25.00	\$68,067.62
12/05 2271 78764118	56522/Y35/MM	7001	✓	\$650.00	\$67,417.62
12/05 2383 78611289	1267:54364/JWP	7004	✓	\$150.00	\$67,267.62
12/05 2392 77057230	52251/M714/DBP	7001	✓	\$325.00	\$66,942.62
12/06 252 10643794	50925/DBP/A400	1201	✓	\$600.00	\$66,342.62
12/06 1058 77057606	57789/W444/MM	7001	✓	\$325.00	\$66,017.62
12/06 1784 PCT/US06/61623	58855P/G512/RT	1601	✓	\$300.00	\$65,717.62
12/06 1785 PCT/US06/61623	58855P/G512/RT	1602	✓	\$1,000.00	\$64,717.62
12/06 1786 PCT/US06/61623	58855P/G512/RT	1701	✓	\$1,008.00	\$63,709.62
12/06 1787 PCT/US06/61623	58855P/G512/RT	1703	✓	\$180.00	\$63,529.62
12/06 1839 11567119	58356/N220/JES	4011	✓	\$75.00	\$63,454.62
12/06 1840 11567119	58356/N220/JES	2111	✓	\$250.00	\$63,204.62
12/06 1841 11567119	58356/N220/JES	2311	✓	\$100.00	\$63,104.62
12/06 1842 11567119	58356/N220/JES	2202	✓	\$75.00	\$63,029.62
12/06 1843 11567119	58356/N220/JES	2201	✓	\$100.00	\$62,929.62
12/06 1152 78500806	53633/H320/JWP/TT	7003	✓	\$100.00	\$62,829.62
12/06 1172 78500806	53633/H320/JWP/TT	7004	✓	\$150.00	\$62,679.62
12/06 395 11518100	58169/S1187/DBP	8021	✓	\$40.00	\$62,639.62
12/06 396 11517727	57958/S1187/DBP	8021	✓	\$40.00	\$62,599.62
12/06 398 11519488	58327/S295/DBP	8021	✓	\$40.00	\$62,559.62
12/06 400 11517140	57991/Y35/DBP	8021	✓	\$40.00	\$62,519.62
12/06 402 11515293	58312/S1187/DBP	8021	✓	\$40.00	\$62,479.62
12/06 99 11112119	54920/WPC/S/US	2252	✓	\$225.00	\$62,254.62
12/06 405 11518003	57944/Y35/DBP	8021	✓	\$40.00	\$62,214.62
12/06 235 10687847	47994/THD/D359	1501	✓	\$1,400.00	\$60,814.62
12/06 236 10687847	47994/THD/D359	1504	✓	\$300.00	\$60,514.62
12/06 237 10687847	47994/THD/D359	8001	✓	\$30.00	\$60,484.62
12/06 67 09833969	42254/DMC/C685	2252	✓	\$225.00	\$60,259.62
12/06 213 11542010	58740/H673/JWP	2202	✓	\$150.00	\$60,109.62
12/07 4 78272361	50700/P396/CTP	7004	✓	\$600.00	\$59,509.62
12/07 16 78272363	50701/P396/CTP	7004	✓	\$600.00	\$58,909.62
12/07 87 78490923	53392/E87/WGM	7004	✓	\$300.00	\$58,609.62
12/07 1088 2414235	28794/A51/BWJ	7205	✓	\$100.00	\$58,509.62
12/07 1089 2414235	28794/A51/BWJ	7208	✓	\$200.00	\$58,309.62
12/07 1179 78976604	55504.01/A840/GJN	7004	✓	\$900.00	\$57,409.62
12/07 1919 11520286	58110/B884/MET	1051	✓	\$130.00	\$57,279.62

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12/07 324 11520286	B884:58110/SM	8021	✓	\$40.00	\$57,239.62
12/07 2206 11155863	55376/DBP/A400	1801	✓	\$790.00	\$56,449.62
12/07 1414 78514531	53846/Z41/MEG	7004	✓	\$300.00	\$56,149.62
12/07 2272 PCT/US06/61703 58356P/N220/ JES		1601	✓	\$300.00	\$55,849.62
12/07 2273 PCT/US06/61703 58356P/N220/ JES		1603	✓	\$300.00	\$55,549.62
12/07 2274 PCT/US06/61703 58356P/N220/ JES		1701	✓	\$1,008.00	\$54,541.62
12/07 2275 PCT/US06/61703 58356P/N220/ JES		1703	✓	\$180.00	\$54,361.62
12/07 33 78619724	110.2*4/B844/ MM	7402	✓	\$300.00	\$54,061.62
12/07 34 78619722	110.2*3/B844/ MM	7402	✓	\$300.00	\$53,761.62
12/07 35 78611045	110.2*5/B844/ MM	7402	✓	\$300.00	\$53,461.62
12/07 88 09955278	56300/N165/DMC	1201	✓	\$600.00	\$52,861.62
12/08 49 11372702	54148/T297/ HAC	8021	✓	\$40.00	\$52,821.62
12/08 174 11322583	W112:56426/ AW	8021	✓	\$40.00	\$52,781.62
12/08 1 11112119	54920/WPC/5,245	2252	✓	\$225.00	\$53,006.62
12/08 2 11112119	54920/WPC/5,245	1252	✓	\$450.00	\$52,556.62
12/08 758 77059473	58727/P836/ UJN	7001	✓	\$325.00	\$52,231.62
12/08 898 78278909	56324/G529/ SAH	7004	✓	\$450.00	\$51,781.62
12/08 454 11510372	57366/DBP/S1187	8021	✓	\$40.00	\$51,741.62
12/08 566 11515205	58206/Y35/ DBP	8021	✓	\$40.00	\$51,701.62
12/08 194 09947077	45123/WGM/A23	1252	✓	\$450.00	\$51,251.62
12/11 1 78478278	53526/ TJD/ A540	6004	✓	\$150.00	\$51,401.62
12/11 17 11518281	57667/S1187/ DBP	8021	✓	\$40.00	\$51,361.62
12/11 381 78608723	54705/P525/ RAC	7001	✓	\$325.00	\$51,036.62
12/11 455 78664125	45691.01/C924/ MM	7004	✓	\$150.00	\$50,886.62
12/11 553 2414236	28795/A51/ LWJ	7205	✓	\$100.00	\$50,786.62
12/11 554 2414236	28795/A51/ LWJ	7208	✓	\$200.00	\$50,586.62
12/11 587 77060441	J202/58930/ MM	7001	✓	\$325.00	\$50,261.62
12/11 1757 10327752	49520/DBP/Y35	1806	✓	\$180.00	\$50,081.62
12/11 119 10451389	B884:56523/ MEG	1501	✓	\$1,400.00	\$48,681.62
12/11 121 10451389	B884:56523/ MEG	8001	✓	\$30.00	\$48,651.62
12/11 120 10451389	B884:56523/ MEG	1504	✓	\$300.00	\$48,351.62
12/11 937 77060654	58680/B900-AW	7001	✓	\$650.00	\$47,701.62
12/11 60 60748262	56665/C1099/ DBP	8007	✓	\$20.00	\$47,681.62
12/12 727 10923125	52733/DBP/Y35	1253	✓	\$570.00	\$47,111.62
12/12 728 10923125	52733/DBP/Y35	1801	✓	\$790.00	\$46,321.62
12/12 162 60750457	S1117:58730-ENG/ LM	8007	✓	\$20.00	\$46,301.62
12/12 319 11525230	S1170:58399/DBP	8021	✓	\$40.00	\$46,261.62
12/12 329 11520205	57071/S1187/ DBP	8021	✓	\$40.00	\$46,221.62
12/12 332 11520506	57668/S1187/ DBP	8021	✓	\$40.00	\$46,181.62
12/12 333 11520507	57070/S1187/ DBP	8021	✓	\$40.00	\$46,141.62
12/12 335 10562751	56799/A400/ DBP	8021	✓	\$40.00	\$46,101.62
12/12 338 10552490	56224/A400/ DBP	8021	✓	\$40.00	\$46,061.62
12/12 2445 10250831	49803/DBP/R178	1251	✓	\$120.00	\$45,941.62
12/12 2 PCT/US06/44046 58718P/M743/ DBP		1601	✓	\$300.00	\$45,641.62
12/12 6 PCT/US06/44046 58718P/M743/ DBP		8007	✓	\$20.00	\$45,621.62
12/12 3 PCT/US06/44046 58718P/M743/ DBP		1602	✓	\$1,000.00	\$44,621.62
12/12 4 PCT/US06/44046 58718P/M743/ DBP		1702	✓	\$1,086.00	\$43,535.62
12/12 5 PCT/US06/44046 58718P/M743/ DBP		1703	✓	\$168.00	\$43,367.62

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12/12 3	PCT/US06/41886	55868/4316/TJD	9204	✓	-\$700.00	\$44,067.62
12/12 2366	2413272	35285/M714/D24	7205	✓	\$100.00	\$43,967.62
12/13 2	10566144	M521:57036/DBP	8021	✓	\$40.00	\$43,927.62
12/13 1024	60869658	P839:58794/WPC	2005	✓	\$100.00	\$43,827.62
12/13 1411	11020752	53971/RR/T442	2253	✓	\$510.00	\$43,317.62
12/13 1663	11609772	K163/58944/TXD	1011	✓	\$300.00	\$43,017.62
12/13 1664	11609772	K163/58944/TXD	1111	✓	\$500.00	\$42,517.62
12/13 1665	11609772	K163/58944/TXD	1311	✓	\$200.00	\$42,317.62
12/13 2119	09690796	39477/RR/T850	1814	✓	\$130.00	\$42,187.62
12/13 2120	09690796	39477/RR/T850	1806	✓	\$180.00	\$42,007.62
12/13 102	10992881	53905/DJB/M743	1801	✓	\$790.00	\$41,217.62
12/13 375	11515364	S1187:56688/DBP	8021	✓	\$40.00	\$41,177.62
12/13 10	10743638	51493/DBP/Y35	1251	✓	\$120.00	\$41,057.62
12/13 45	10992881	53905/DJB/M743	1801	✓	\$790.00	\$40,267.62
12/13 2383	78487302	53537/ERS/M534	7004	✓	\$150.00	\$40,117.62
12/14 49	PP16863	A400:52284/DBP	8003	✓	\$45.00	\$40,072.62
12/14 50	PP16634	A400:51224/DBP	8003	✓	\$45.00	\$40,027.62
12/14 51	PP16138	A400:50624/DBP	8003	✓	\$45.00	\$39,982.62
12/14 887	78410722	52479/M714/D24	7004	✓	\$450.00	\$39,532.62
12/14 2210	11561276	58193/H611/DBP	1011	✓	\$300.00	\$39,232.62
12/14 2214	11561276	58193/H611/DBP	1201	✓	\$400.00	\$38,832.62
12/14 2213	11561276	58193/H611/DBP	1202	✓	\$100.00	\$38,732.62
12/14 2211	11561276	58193/H611/DBP	1111	✓	\$500.00	\$38,232.62
12/14 2212	11561276	58193/H611/DBP	1311	✓	\$200.00	\$38,032.62
12/14 1249	77063828	58958/P396/DBP	7001	✓	\$325.00	\$37,707.62
12/14 1253	76537163	49051/R563/DBP	7004	✓	\$150.00	\$37,557.62
12/14 375	29269227	58728/D521/DBP	8021	✓	\$40.00	\$37,517.62
12/14 1318	78663128	55299/U356/MM	7004	✓	\$150.00	\$37,367.62
12/14 386	10568567	57152/D587/DBP	8021	✓	\$40.00	\$37,327.62
12/14 25	10984074	53787/DJB/V232	2202	✓	\$200.00	\$37,127.62
12/14 73	10373516	49362/DMC/C685	2253	✓	\$510.00	\$36,617.62
12/14 480	78963199	G411:58324-ECM/DBP	8507	✓	\$15.00	\$36,602.62
12/15 111	10930397	53422/S968/DBP	8021	✓	\$40.00	\$36,562.62
12/15 557	77064594	58521/DBP/C721	7001	✓	\$325.00	\$36,237.62
12/15 572	77064602	58523/DBP/C721	7001	✓	\$325.00	\$35,912.62
12/15 601	77064616	58524/DBP/C721	7001	✓	\$325.00	\$35,587.62
12/15 353	11521931	58071/L550/DBP	8021	✓	\$40.00	\$35,547.62
12/15 354	11521849	58182/S1082/DBP	8021	✓	\$40.00	\$35,507.62
12/15 356	11541037	58425/Y35/DBP	8021	✓	\$40.00	\$35,467.62
12/15 363	11528854	S1170:57994/DBP	8021	✓	\$40.00	\$35,427.62
12/15 367	11527750	L550:58362/DBP	8021	✓	\$40.00	\$35,387.62
12/15 1005	77064832	58879/T490/MM	7001	✓	\$325.00	\$35,062.62
12/15 622	11514318	56825/DBP/S1187	8021	✓	\$40.00	\$35,022.62
12/18 198	78777915	56738/H320/DBP	7002	✓	\$100.00	\$34,922.62
12/18 434	78754631	56218/H320/DBP	7002	✓	\$100.00	\$34,822.62
12/18 489	78777906	56737/H320/DBP	7002	✓	\$100.00	\$34,722.62
12/18 3	10573613	57428/M521/DBP	9204	✓	-\$100.00	\$34,822.62
12/18 646	77065598	58690/C1068/DBP	7001	✓	\$325.00	\$34,497.62

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12/18 668 77065612	58970/K511/DAP	✓ 7007	\$275.00	\$34,222.
12/18 14 10921616	52778/RAG/S968	✓ 1801	\$790.00	\$33,432.
12/18 573 11433176	55944/S1187/DBP	✓ 8021	\$40.00	\$33,392.
12/18 592 11541292	58447/Y35/DBP	✓ 8021	\$40.00	\$33,352.
12/18 599 11515321	58292/Y35/DBP	✓ 8021	\$40.00	\$33,312.
12/18 602 11520147	57077/S1187/DBP	✓ 8021	\$40.00	\$33,272.
12/18 609 11521321	57073/S1187/DBP	✓ 8021	\$40.00	\$33,232.
12/18 618 11521563	57074/S1187/DBP	✓ 8021	\$40.00	\$33,192.
12/18 619 11523967	57075/S1187/DBP	✓ 8021	\$40.00	\$33,152.
12/18 621 11528186	58446/Y35/DBP	✓ 8021	\$40.00	\$33,112.
12/19 1 60875005	58885/B317/DJB	✓ 2005	\$100.00	\$33,012.
12/19 316 6866757	58501/S1042/JOC	✓ 8021	\$40.00	\$32,972.
12/19 1814 11512461	58070/B884/MEG	✓ 1051	\$130.00	\$32,842.
12/19 1815 11512481	58070/B884/MEG	✓ 1251	\$120.00	\$32,722.
12/19 328 6866757	58501/S1042/JOC	✓ 8021	\$40.00	\$32,682.
12/19 2145 11612328	58883/L471/JWP	✓ 4011	\$75.00	\$32,607.
12/19 2146 11612328	58883/L471/JWP	✓ 2111	\$250.00	\$32,357.
12/19 2147 11612328	58883/L471/JWP	✓ 2311	\$100.00	\$32,257.
12/19 2443 11612372	W491:57083/DMC	✓ 4011	\$75.00	\$32,182.
12/19 2444 11612372	W491:57083/DMC	✓ 2111	\$250.00	\$31,932.
12/19 2445 11612372	W491:57083/DMC	✓ 2311	\$100.00	\$31,832.
12/19 2446 11612372	W491:57083/DMC	✓ 2201	\$200.00	\$31,632.
12/19 437 29267083	F50:58557/DBP	✓ 8021	\$40.00	\$31,592.
12/19 107 1702467	47735/MBL/AW	✓ 8521	\$40.00	\$31,552.
12/19 108 1702467	47735/MBL/AW	✓ 8522	\$25.00	\$31,527.
12/19 1260 2022874	37814/S913-RAG	✓ 7205	\$100.00	\$31,427.
12/19 1261 2022874	37814/S913-RAG	✓ 7201	\$400.00	\$31,027.
12/19 78 60875394	58884/B317/DJB	✓ 2005	\$100.00	\$30,927.
12/19 259 11029310	52077/DMC/C885	✓ 2251	\$60.00	\$30,867.
12/20 1 79015345	57638/5307/DBP	✓ 6403	\$100.00	\$30,767.
12/20 317 5529152	G491:30/DBP	✓ 8021	\$240.00	\$30,527.
12/20 1280 78675828	H228: 55669/MM	✓ 7004	\$150.00	\$30,377.
12/20 175 10930397	53422/DJB/S968	✓ 2501	\$700.00	\$29,677.
12/20 176 10930397	53422/DJB/S968	✓ 1504	\$300.00	\$29,377.
12/20 177 10930397	53422/DJB/S968	✓ 8001	\$30.00	\$29,347.
12/20 69 10155801	47507/DMC/F179	✓ 1202	\$50.00	\$29,297.
12/20 70 10155801	47507/DMC/F179	✓ 1253	\$1,020.00	\$28,277.
12/20 156 2877166	49395/C951/MM	✓ 8521	\$40.00	\$28,237.
12/20 157 2877166	49395/C951/MM	✓ 8522	\$25.00	\$28,212.
12/21 11 E-REPLENISHMENT	58489/B583	✓ 9203	-\$75,000.00	\$103,212
12/21 290 10666205		✓ 8021	\$40.00	\$103,172
12/21 3129 60871102		✓ 1005	\$200.00	\$102,972
12/21 1371 78637541	55221/C806	✓ 7003	\$100.00	\$102,872
12/21 399 11515388	S1187:56826/DBP	✓ 8021	\$40.00	\$102,832
12/21 11 11474028	57516/C766	✓ 2051	\$65.00	\$102,767
12/21 36 78604630	110.2°6/B844	✓ 7402	\$300.00	\$102,467
12/21 37 6545567	56807/V165	✓ 1551	\$130.00	\$102,337
12/21 39 6545567	56807/V165	✓ 1554	\$130.00	\$102,207

12/21 4878 10573148	53601/L471/RAC	2251	✓	\$60.00	\$102,147
12/22 1 10846314	52407/RDS/A797	1253	✓	\$510.00	\$101,637
12/22 711 78851769	57488/D569 / WNM	7005	✓	\$100.00	\$101,537
12/22 712 78851769	57488/D569 / WNM	7001	✓	\$325.00	\$101,212
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12/22 1061 1422842	18716/Z22 / G5L	7201	✓	\$400.00	\$100,712
12/22 197 10455873	50164/RAG/C766	2501	✓	\$700.00	\$100,012
12/22 198 10455873	50164/RAG/C766	1504	✓	\$300.00	\$99,712
12/22 199 10455873	50164/RAG/C766	8001	✓	\$30.00	\$99,682
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12/22 100 11498931	57776/B884 / MEC	1252	✓	\$450.00	\$99,102
12/22 23 09944534	47013/SAH/S850	1251	✓	\$120.00	\$98,982
12/22 5 10542177	155503/5307117BP	9204	✓	-\$50.00	\$99,032
12/26 1 10679820	51005/ME6/M60	2251	✓	\$60.00	\$98,972
12/26 11 11542744	Y35:58334/DBP	8021	✓	\$40.00	\$98,932
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12/26 154 78381112	52304/G440 / MM	7003	✓	\$600.00	\$97,732
12/26 74 11498931	B884:57776/SM	8021	✓	\$40.00	\$97,692
12/26 319 77070575	58828/H669 / WGM	7001	✓	\$325.00	\$97,367
12/26 228 10571411	57056/M521 / DBP	8021	✓	\$40.00	\$97,327
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12/26 310 11543724	S1187:58363/DBP	8021	✓	\$40.00	\$96,987
12/26 312 11543468	L550:58289/DBP	8021	✓	\$40.00	\$96,947
12/26 32 11137743	55189/DMC/S584	1801	✓	\$790.00	\$96,157
12/26 33 11137743	55189/DMC/S584	1251	✓	\$120.00	\$96,037
12/26 36 60876246	58903/K163 / THD	1005	✓	\$200.00	\$95,837
12/27 196 78511642	53723/G504/DJS/LLB	7004	✓	\$300.00	\$95,537
12/27 213 78511648	53711/G504/DJS/LLB	7004	✓	\$150.00	\$95,387
12/27 242 78415265	52404/G504/DJS/LLB	7004	✓	\$150.00	\$95,237
12/27 969 60871911	59000/H675 / RAC	2005	✓	\$100.00	\$95,137
12/27 1 11229117	55436/DBP/Y35	1201	✓	\$200.00	\$94,937
12/27 493 2514113	58632/A677-AW	7205	✓	\$100.00	\$94,837
12/27 494 2514113	58632/A677-AW	7208	✓	\$200.00	\$94,637
12/27 496 1463487	58632/A677-AW	7205	✓	\$100.00	\$94,537
12/27 497 1463487	58632/A677-AW	7201	✓	\$400.00	\$94,137
12/27 506 2033687	58630/A677-AW	7205	✓	\$100.00	\$94,037
12/27 507 2033687	58630/A677-AW	7201	✓	\$400.00	\$93,637
12/27 6 11517547	58325 / M521 / DBP	9204	✓	-\$50.00	\$93,687
12/27 6 10814618	52230/DBP/A400	1504	✓	\$300.00	\$93,387
12/27 506 29268217	58644/M522 / RAC	8021	✓	\$40.00	\$93,347
12/28 89 6468563	(550)39524/M521 / DBP	8021	✓	\$40.00	\$93,307
12/28 1470 10632347	50679/RAG/C766	2801	✓	\$395.00	\$92,912
12/28 709 77072123	58892/A23 / GJN	7001	✓	\$650.00	\$92,262
12/28 314 10570636	M521:57058/DBP	8021	✓	\$40.00	\$92,222
12/28 326 11518042	57376/S1187 / DBP	8021	✓	\$40.00	\$92,182
12/28 327 11512649	56926/S1187 / DBP	8021	✓	\$40.00	\$92,142

Deposit Account Statement

Page 7 of 7

12/28 328 11521522	57072/S1187/DK	8021	✓	\$40.00	\$92,102.1
12/28 69 09919365	45621/FLC/F179	1801	✓	\$790.00	\$91,312.1
12/28 70 09919365	45621/FLC/F179	1251	✓	\$120.00	\$91,192.1
12/29 1897 11617540	57811/A647/DJB	1011	✓	\$300.00	\$90,892.1
12/29 1900 11617540	57811/A647/DJB	1202	✓	\$1,000.00	\$89,892.1
12/29 1901 11617540	57811/A647/DJB	1201	✓	\$200.00	\$89,692.1
12/29 1899 11617540	57811/A647/DJB	1311	✓	\$200.00	\$89,492.1
12/29 1898 11617540	57811/A647/DJB	1111	✓	\$500.00	\$88,992.1
12/29 17 10789218	52067/MEG/B603	2801	✓	\$395.00	\$88,597.1
12/29 652 78327017	51520/R563/GJN	7004	✓	\$150.00	\$88,447.1
12/29 658 78531433	54055/T558/GJN	7004	✓	\$150.00	\$88,297.1
12/29 663 78395729	52327/R563/GJN	7004	✓	\$150.00	\$88,147.1
12/29 288 11524234	57953/S1187/DK	8021	✓	\$40.00	\$88,107.1
12/29 290 11595549	58610/A400/DK	8021	✓	\$40.00	\$88,067.1
12/29 294 11493150	58120/US/M981/INW	8021	✓	\$40.00	\$88,027.1
12/29 296 US0628962		8021	✓	\$40.00	\$87,987.1
12/29 721 2027454	26807/G207/DAR	7205	✓	\$100.00	\$87,887.1
12/29 722 2027454	26807/G207/DAR	7201	✓	\$400.00	\$87,487.1
12/29 769 78903326	D569/57785/INW	7001	✓	\$325.00	\$87,162.1
12/29 109 10794785	52050/DMC/S965	1251	✓	\$120.00	\$87,042.1
12/29 64 11417474	57635/C685/DML	2201	✓	\$100.00	\$86,942.1
12/29 65 11417474	57635/C685/DML	2202	✓	\$575.00	\$86,367.1
START BALANCE	SUM OF CHARGES	SUM OF REPLENISH	END BALANCE		
\$77,282.62	\$68,060.00	\$77,145.00	\$86,367.62		

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UNITED STATES PATENT AND TRADEMARK OFFICE

OCT. 26, 2006
SCA. 51493

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,638	12/22/2003	Hyeon-Gon Noh	51493/DBP/Y35	8214

23363 7590 10/26/2006

CHRISTIE, PARKER & HALE, LLP
PO BOX 7068
PASADENA, CA 91109-7068

RECEIVED

OCT 31 2006

EXAMINER

WEINER, LAURA S

ART UNIT

PAPER NUMBER

1745

DATE MAILED: 10/26/2006

Y35:
CASE # 51493 ACTION 1. Mon DA
REMINDER _____ DUE DATE 11/26/06
DEADLINE 11/26/06

CHRISTIE, PARKER & HALE, LLP

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/743,638	NOH ET AL.	
	Examiner	Art Unit	
	Laura S. Weiner	1745	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 29 December 2003.

2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*; 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-18 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☐ Claim(s) _____ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☒ Claim(s) 1-18 are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

 a) ☒ All b) ☐ Some * c) ☐ None of:

 1. ☒ Certified copies of the priority documents have been received.

 2. ☐ Certified copies of the priority documents have been received in Application No. _____.

 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

 * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892) 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ 5) <input type="checkbox"/> Notice of Informal Patent Application 6) <input type="checkbox"/> Other: _____
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DETAILED ACTION

Election/Restrictions

1. Claims are generic to the following disclosed patentably distinct species: An electrolyte comprising an additive represented by Formula 1 and a non-aqueous solvent. The species are independent or distinct because The additive has an X component that is a functional group that includes Y where X can be SO₂, CO, SO or PO and Y can be B, C, Si, N, P or S. The additive has an A component which can be O or NR. The non-aqueous organic solvent can be a cyclic carbonate, a linear carbonate, an ester, an ether, a ketone or mixtures thereof. The solvent can also further include an halogenated benzene. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, even though this requirement is traversed. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election. Please define X, Y and A for the additive and chose a solvent or solvent system citing if the halogenated benzene is present.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

2. A telephone call was not made to request an oral election to the above restriction requirement, therefore did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

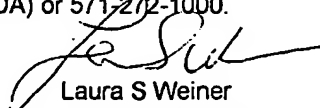
Application/Control Number: 10/743,638
Art Unit: 1745

Page 4

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Laura S Weiner
Primary Examiner
Art Unit 1745

October 25, 2006

BEST AVAILABLE COPY

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AMENDMENT TRANSMITTAL LETTER

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 27, 2006.

Signature

Confirmation No. 8214

Applicant : Hyeong-Gon Noh, et al.
Application No. : 10/743,638
Filed : December 22, 2003
Title : ELECTROLYTE FOR RECHARGEABLE LITHIUM BATTERY AND
RECHARGEABLE LITHIUM BATTERY COMPRISING SAME

Grp./Div. : 1745
Examiner : Laura S. Weiner

Docket No. : 51493/Y35

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
November 27, 2006

Commissioner:

Enclosed is an amendment to the above-identified application.

CLAIMS AS AMENDED						
	Claims Remaining After Amendment	Highest Number Paid For	Number Extra Claims	Small Entity Rate	Large Entity Rate	FEE
Total Claims Fee	20	*20	0	x \$25.00	x \$50.00	0
Independent Claims	3	** 3	0	x \$100.00	x \$200.00	0
Multiple Dependent Claims ***				\$180.00	\$360.00	0
TOTAL FILING FEE						0
NO ADDITIONAL FEE REQUIRED	IF NO FEE REQUIRED, INSERT "0"					0
LIST INDEPENDENT CLAIMS: 1, 9, 18						

BEST AVAILABLE COPY

Amendment Transmittal Letter
Application No. 10/743,638

• IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3
•• IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3
••• PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST
TIME

____ Attached is our check for \$. to pay the fees calculated above.

____ A Petition for Extension of Time and the required fee are enclosed.

____ Other enclosures:

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. A copy of this letter is enclosed.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

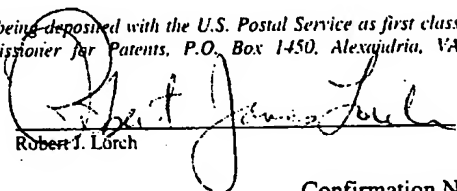
By David A. Plumley
David A. Plumley
Reg. No. 37,208
626/795-9900

DAP/rjl

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 27, 2006.


Robert J. Lorch

Confirmation No. 8214

Appl No. : 10/743,638
Applicant : Hyeong-Gon Noh, et al.
Filed : December 22, 2003
Title : ELECTROLYTE FOR RECHARGEABLE LITHIUM BATTERY AND
RECHARGEABLE LITHIUM BATTERY COMPRISING SAME

TC/A.U. : 1745
Examiner : Laura S. Weiner

Docket No. : 51493/Y35
Customer No. : 23363

RESPONSE TO RESTRICTION REQUIREMENT AND AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
November 27, 2006

Commissioner:

In response to the Office action of October 26, 2006, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 7 of this paper.

Appln No. 10/743,638
Amdt date November 27, 2006
Reply to Office action of October 26, 2006

Amendments to the Specification:

Please replace the paragraph on page 1, lines 5-7 with the following paragraph:

This application claims priority to ~~an~~ Korean patent application No. 2002-84987 filed in the Korean Intellectual Property Office on December 27, 2002, the entire disclosure of which is incorporated herein by reference.

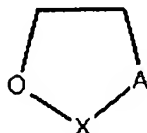
Appln No. 10/743,638
Amdt date November 27, 2006
Reply to Office action of October 26, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An electrolyte for a rechargeable lithium battery comprising:
a non-aqueous organic solvent;
a lithium salt; and
an additive represented by formula 1:



(1)

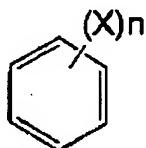
where X is a functional group that includes Y, where Y is an element selected from Groups 3, 4, 5, and 6 of the Periodic Table; and

A is O or NR, where R is a C₁ to C₆ alkyl group;

wherein if X is CO, A is NR.[()]]

2. (Original) The electrolyte of claim 1, wherein Y is selected from the group consisting of B, C, Si, N, P, and S.
3. (Original) The electrolyte of claim 1, wherein X is selected from the group consisting of SO₂, CO, SO, and PO.
4. (Original) The electrolyte of claim 1, wherein the additive is provided in an amount between 0.01 and 10 wt% of the weight of the non-aqueous organic solvent.
5. (Original) The electrolyte of claim 1, wherein the non-aqueous organic solvent is selected from the group consisting of cyclic carbonates, linear carbonates, esters, ethers, ketones and mixtures thereof.
6. (Original) The electrolyte of claim 5, wherein the non-aqueous organic solvent further comprises a halogenated benzene represented by formula 2[{}];

Appln No. 10/743,638
Amdt date November 27, 2006
Reply to Office action of October 26, 2006



(2)

where X is F, Cl, Br or I, and n is an integer from 1 to 3.

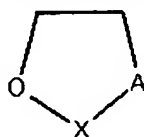
7. (Original) The electrolyte of claim 6, wherein the halogenated benzene is provided in an amount between 1 and 20 parts by weight based on 100 parts by weight of the electrolyte.

8. (Original) The electrolyte of claim 1, wherein the lithium salt is selected from the group consisting of lithium hexafluorophosphate (LiPF₆), lithium tetrafluoroborate (LiBF₄), lithium perchlorate (LiClO₄), lithium trifluoromethanesulfonate (CF₃SO₃Li), lithium hexafluoroarsenate (LiAsF₆) and mixtures thereof.

9. (Original) A rechargeable lithium battery comprising:
an electrolyte comprising a non-aqueous organic solvent, a lithium salt and
an additive represented by formula 1:

a positive electrode comprising a positive active material which is capable of
intercalating and deintercalating lithium; and

a negative electrode comprising a negative active material which is capable of
intercalating and deintercalating lithium; and

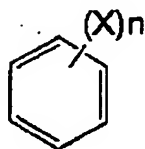


(1)

where X is a functional group that includes Y, where Y is an element belonging to Groups 3, 4, 5 or 6 of the Periodic Table; A is O or NR, where R is a C₁ to C₆ alkyl group; and if X is CO, A is NR.

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10. (Original) The rechargeable lithium battery of claim 9, wherein Y is selected from the group consisting of B, C, Si, N, P, and S.
11. (Original) The rechargeable lithium battery of claim 1, wherein X is selected from the group consisting of SO₂, CO, SO, and PO.
12. (Original) The rechargeable lithium battery of claim 9, wherein the additive is provided in an amount from 0.01 to 10 wt% of the weight of the non-aqueous organic solvent.
13. (Original) The rechargeable lithium battery of claim 9, wherein the negative active material is selected from the group consisting of crystalline carbon, amorphous carbon and carbon composites.
14. (Original) The rechargeable lithium battery of claim 9, wherein the non-aqueous organic solvent is selected from the group consisting of cyclic carbonates, linear carbonates, esters, ethers, ketones and combinations thereof.
15. (Original) The rechargeable lithium battery of claim 14, wherein the non-aqueous organic solvent further comprises a halogenated benzene represented by formula 2:



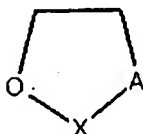
(2)

where X is F, Cl, Br or I, and n is an integer from 1 to 3.

16. (Original) The rechargeable lithium battery of claim 15, wherein the halogenated benzene is provided in an amount from 1 to 20 parts by weight based on 100 parts by weight of the electrolyte.
17. (Original) The rechargeable lithium battery of claim 9, wherein the lithium salt is selected from the group consisting of lithium hexafluorophosphate (LiPF₆), lithium tetrafluoroborate (LiBF₄), lithium perchlorate (LiClO₄), lithium trifluoromethanesulfonate (CF₃SO₃Li), lithium hexafluoroarsenate (LiAsF₆) and combinations thereof.
18. (Original) An electrolyte for a rechargeable lithium battery comprising:

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a non-aqueous organic solvent;
a lithium salt; and
an additive of the form



where X is selected from the group consisting of SO₂, CO, SO and PO and A is selected from the group consisting of O and NR where R is a C₁ to C₆ alkyl group, wherein, if X is CO, A is NR.

19. (New) The electrolyte of claim 18 wherein X is SO₂ and A is O.
20. (New) The electrolyte of claim 19 wherein the non-aqueous organic solvent is a mixed solvent comprising at least one cyclic carbonate, at least one linear carbonate, and a halogenated benzene.

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REMARKS/ARGUMENTS

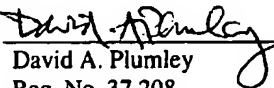
In response to the October 26, 2006 restriction requirement, applicant elects the additive represented by Formula (1a) in which Y is S, X is SO₂, and A is O. For the solvent, applicant elects a mixed solvent comprising one or more cyclic carbonates, one or more linear carbonates, and a halogenated benzene. This election is made without traverse.

Applicant submits that all of original claims 1-18 read on the elected species. New claims 19 and 20 have been added by amendment, and both read on the elected species. Claims 1-18 are generic as to the additive, and claims 1-5, 8-14, and 17-19 are generic as to the solvent.

Applicant has also amended the Cross-Reference to Related Application and claims 1 and 6 to correct typographical errors.

Claims 1-20 remain in this application. Applicant submits that all issues from the October 26, 2006 Office action have been addressed, however, if there are any remaining questions, the examiner is asked to contact applicant's counsel at the number below.

Respectfully submitted,
CHRISTIE, PARKER & HALE, LLP

By 
David A. Plumley
Reg. No. 37,208
626/795-9900

DAP/rjl

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